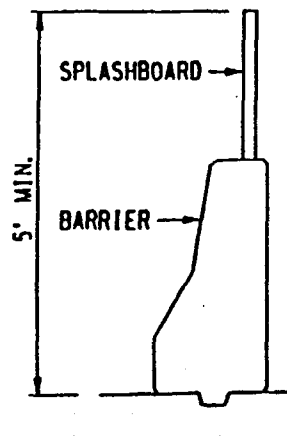
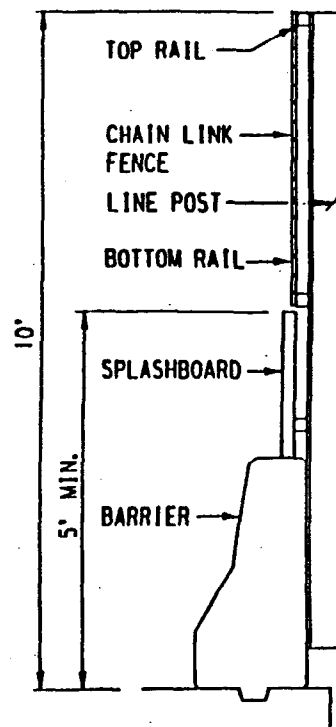


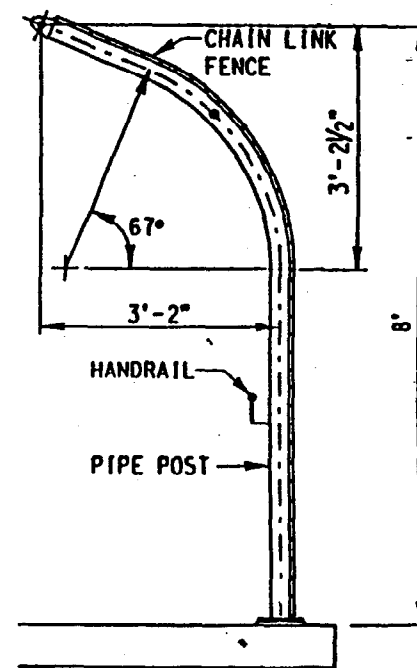
**BARRIER WITH
FENCE**
NO SCALE



**BARRIER WITH
SPLASHBOARD**
NO SCALE



**BARRIER WITH
SPLASHBOARD
AND FENCE**
NO SCALE



**FENCE FOR
WALKWAYS**
NO SCALE



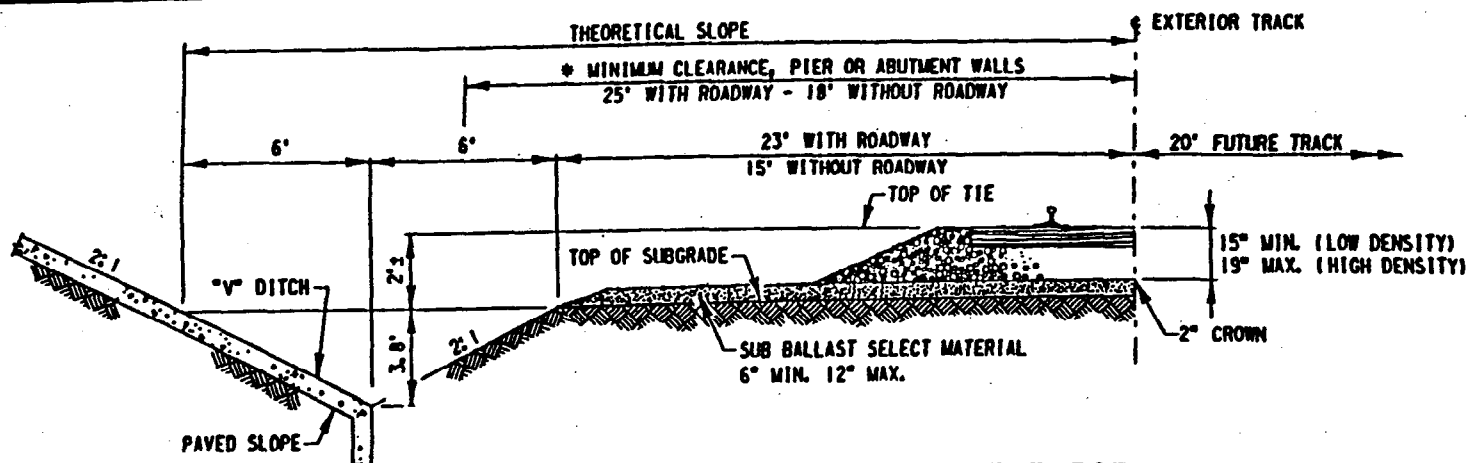
UNION PACIFIC RAILROAD

BARRIERS, FENCES, & SPLASHBOARDS TO BE PROVIDED
AT HIGHWAY, STREET, AND PEDESTRIAN OVERPASSES

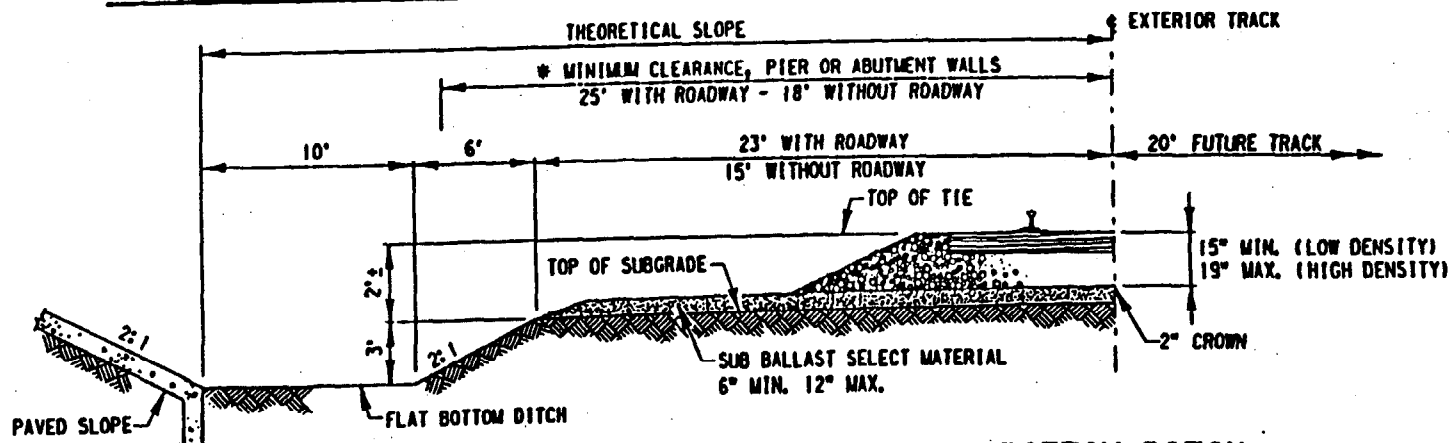
OFFICE OF CHIEF ENGINEER DESIGN

DATE: 3-31-98

DRAWING UP-OHI



TYP. SECTION AT ABUTMENT SLOPES WITH STD. "V" DITCH



TYP. SECTION AT ABUTMENT SLOPES WITH STD. FLAT BOTTOM DITCH

NOTE: MINIMUM DITCH SIZES ARE SHOWN. DITCH SIZE TO BE INCREASED AS REQUIRED BY LOCAL CONDITIONS BASED ON HYDRAULIC STUDIES.

* LOCATION OF PIER, BENT COLUMNS OR ABUTMENT WALLS SHOULD NOT INTERFERE WITH THE DRAINAGE IN THE AREA. IF MINIMUM STANDARD DITCHES ARE NOT PROVIDED IN THE LAYOUT, LONGITUDINAL CULVERTS SHOULD BE SHOWN THAT WILL HANDLE THE DRAINAGE AS REQUIRED BY THE HYDRAULIC STUDIES.



UNION PACIFIC RAILROAD

TYPICAL SECTIONS AT ABUTMENT SLOPE

OFFICE OF CHIEF ENGINEER DESIGN

DATE: 3-31-98

DRAWING UP-0H2